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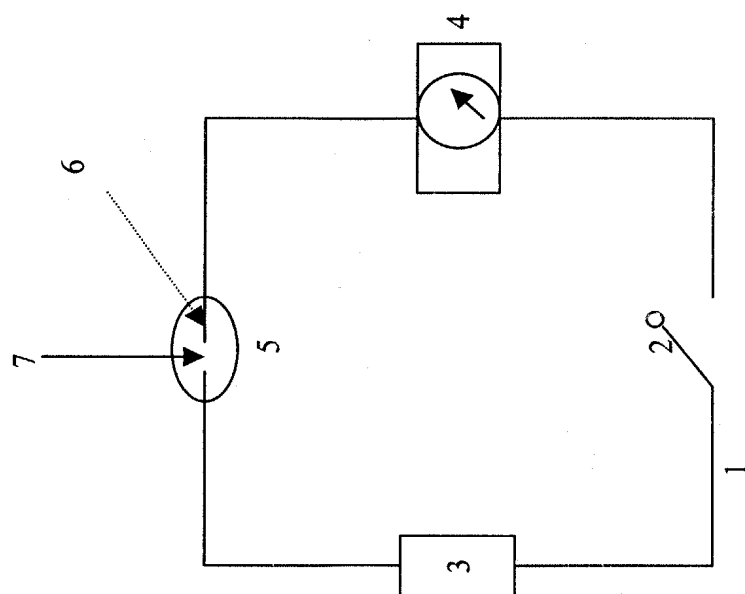
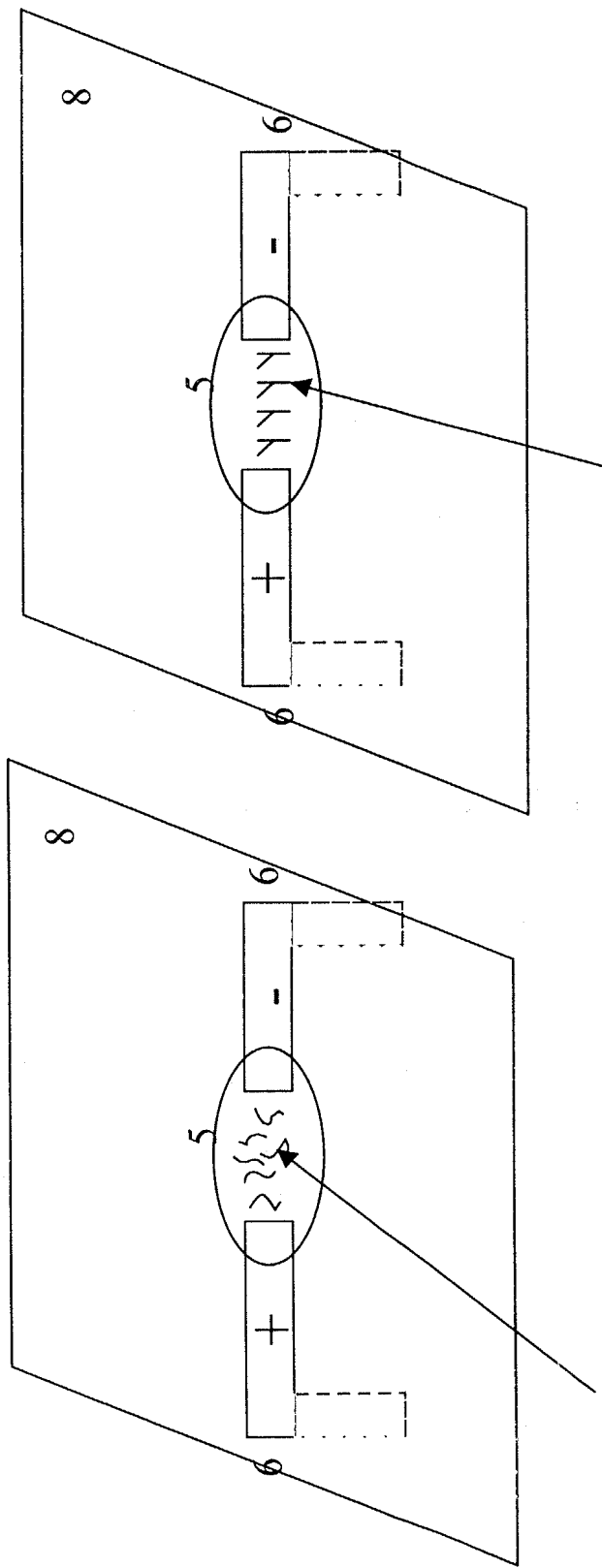


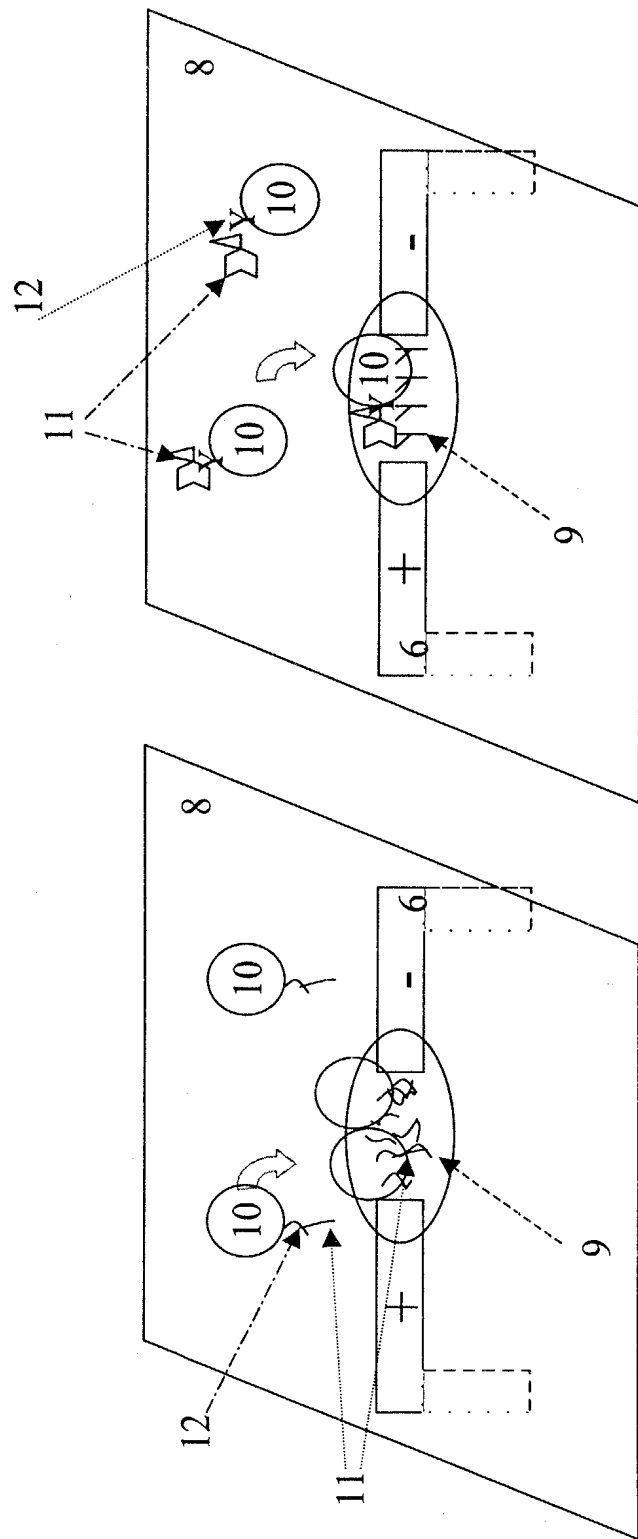
FIG. 1



9 - Attached probes (nucleic acid)

9 - Attached probes (antibodies)

FIG. 2



- 11 \ Target nucleic acid
- 10 Iron bead linked to second probe (nucleic acid) 12
- 9 Well-bound first probe (nucleic acid)
- 11 \ Target analyte, with two epitopes
- 10 Iron bead linked to second probe (antibody) 12
- 9 Well-bound first probe (antibody)

FIG. 3

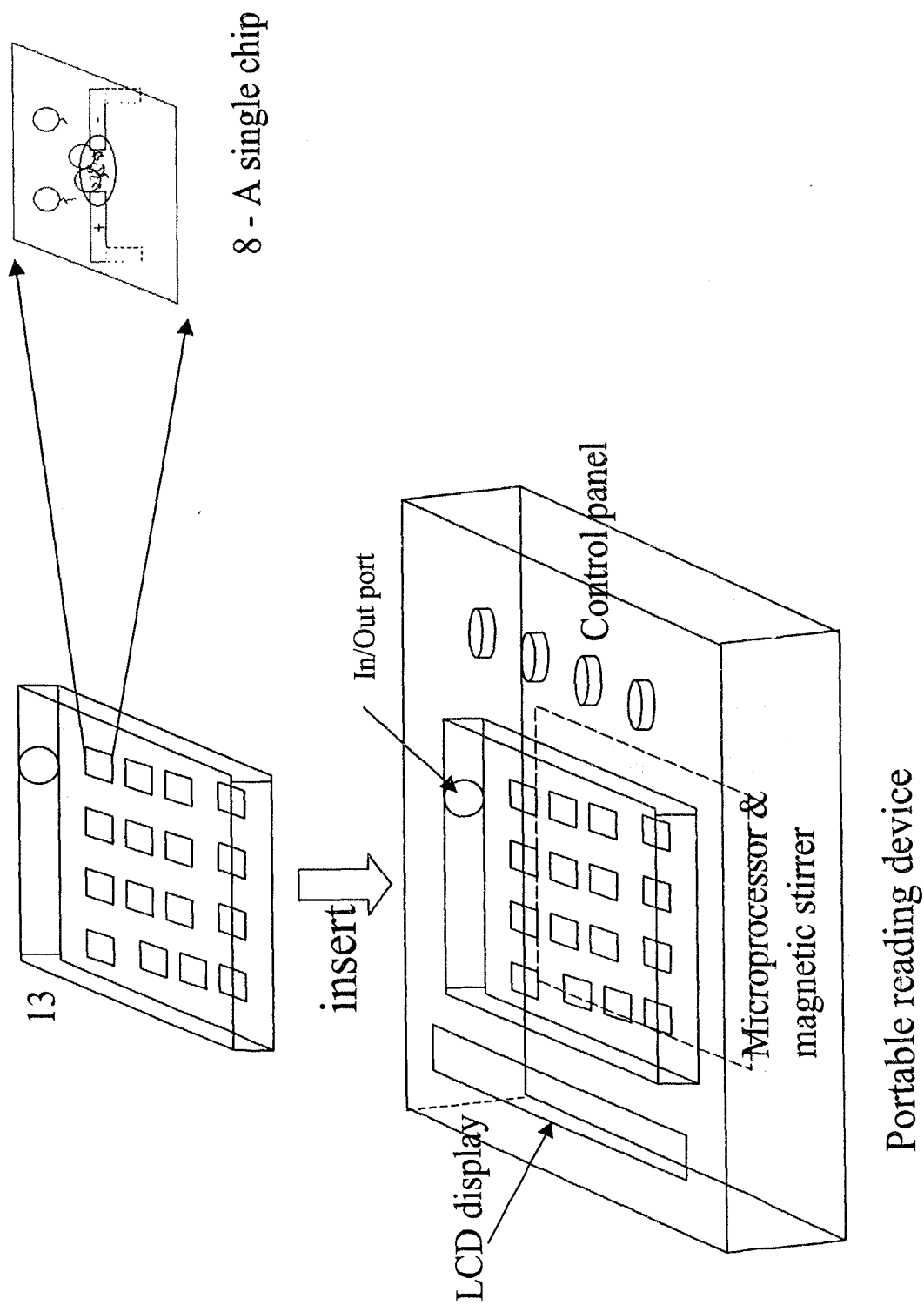
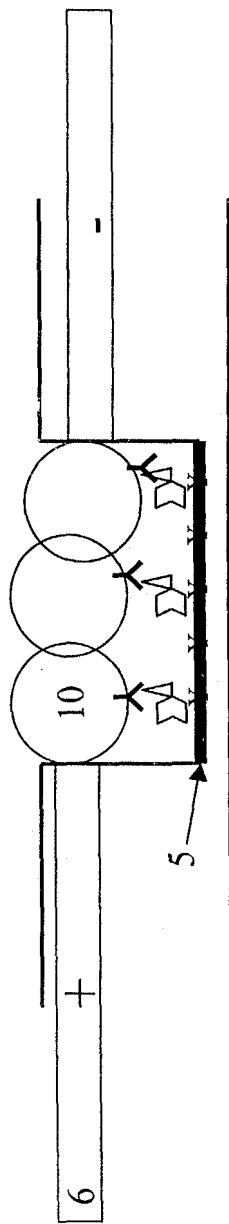


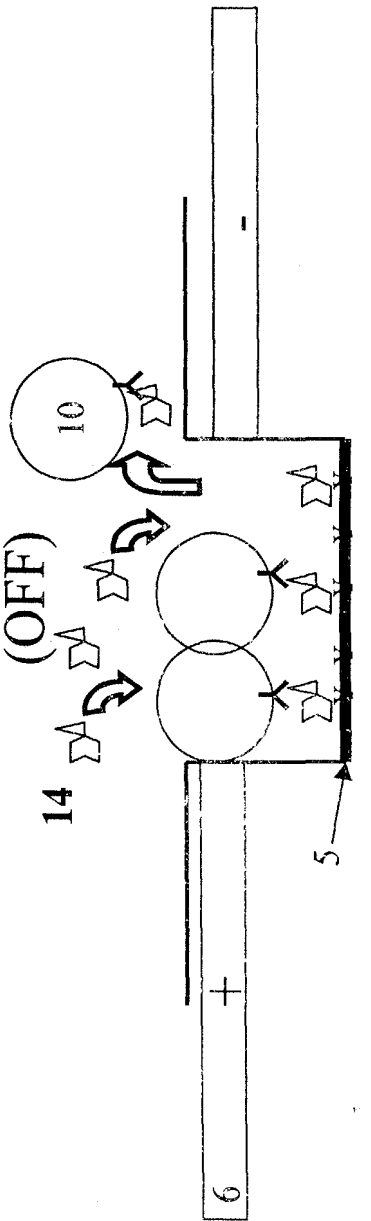
FIG. 4

Before  
(ON)



After

(OFF)



$\Sigma^{\Delta}$  Analyte (11)

$\rightarrow$  "well"-bound probe (9)

Iron bead-bound probe (12)

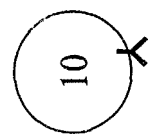


FIG. 5

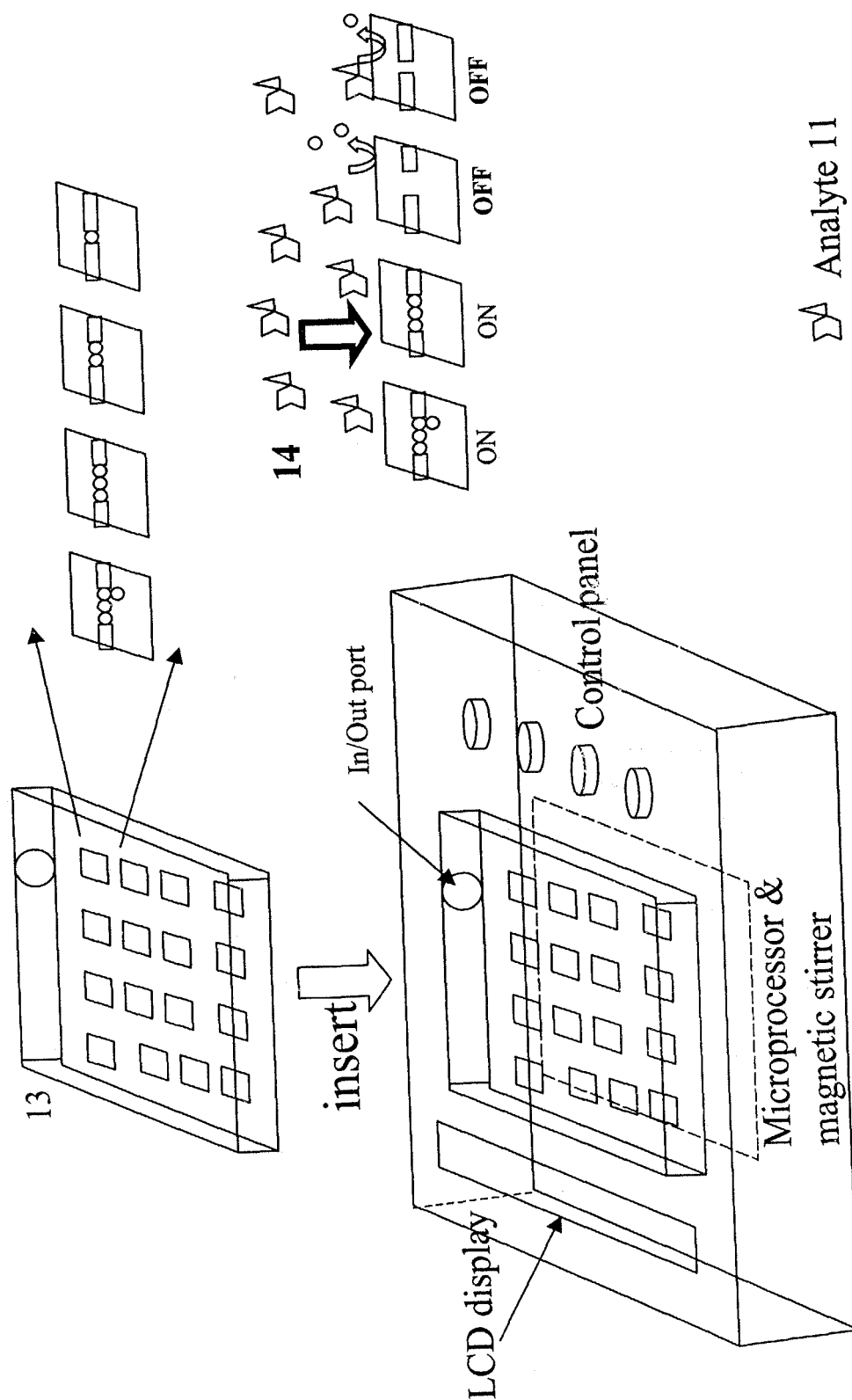


Fig. 6

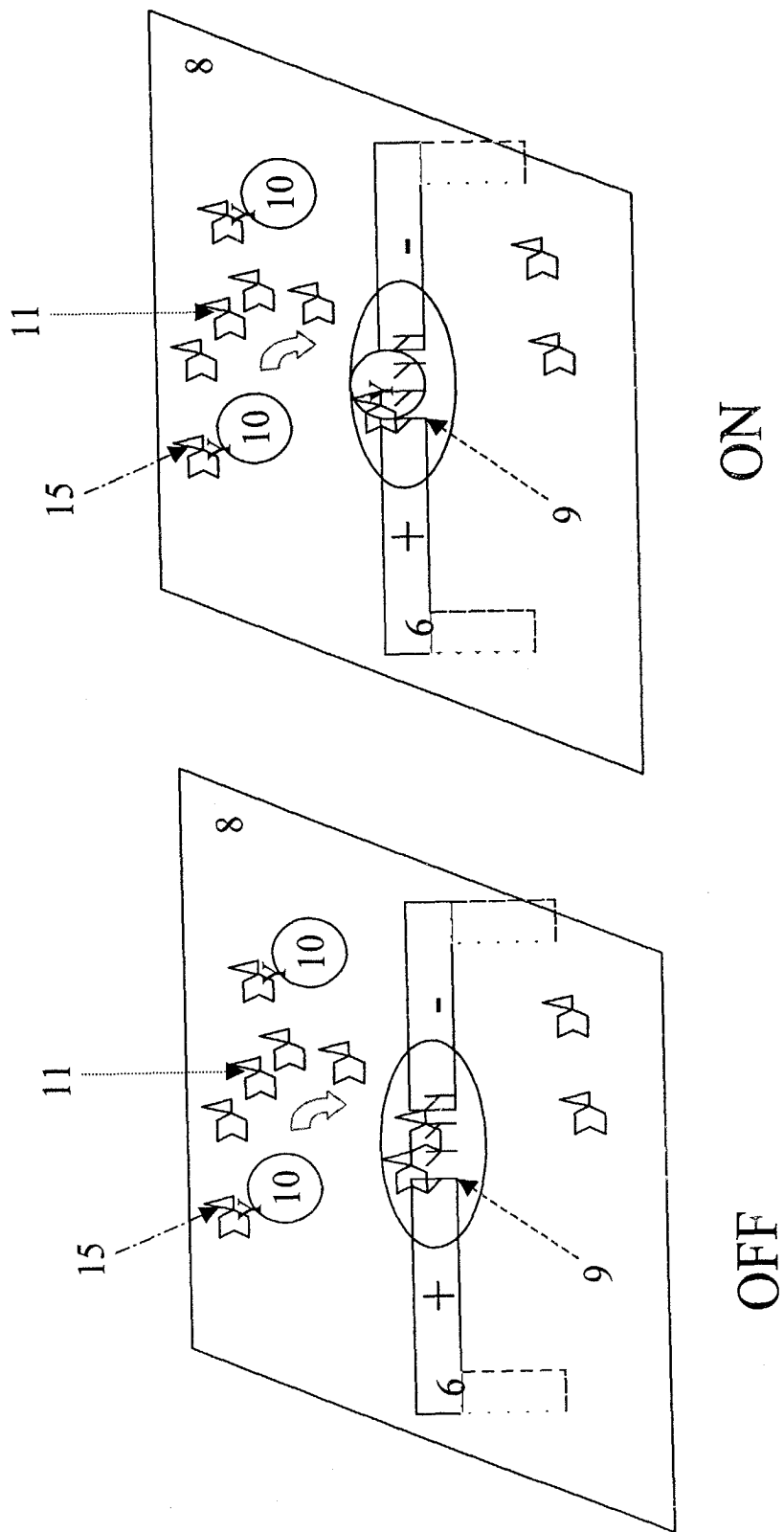


Fig. 7

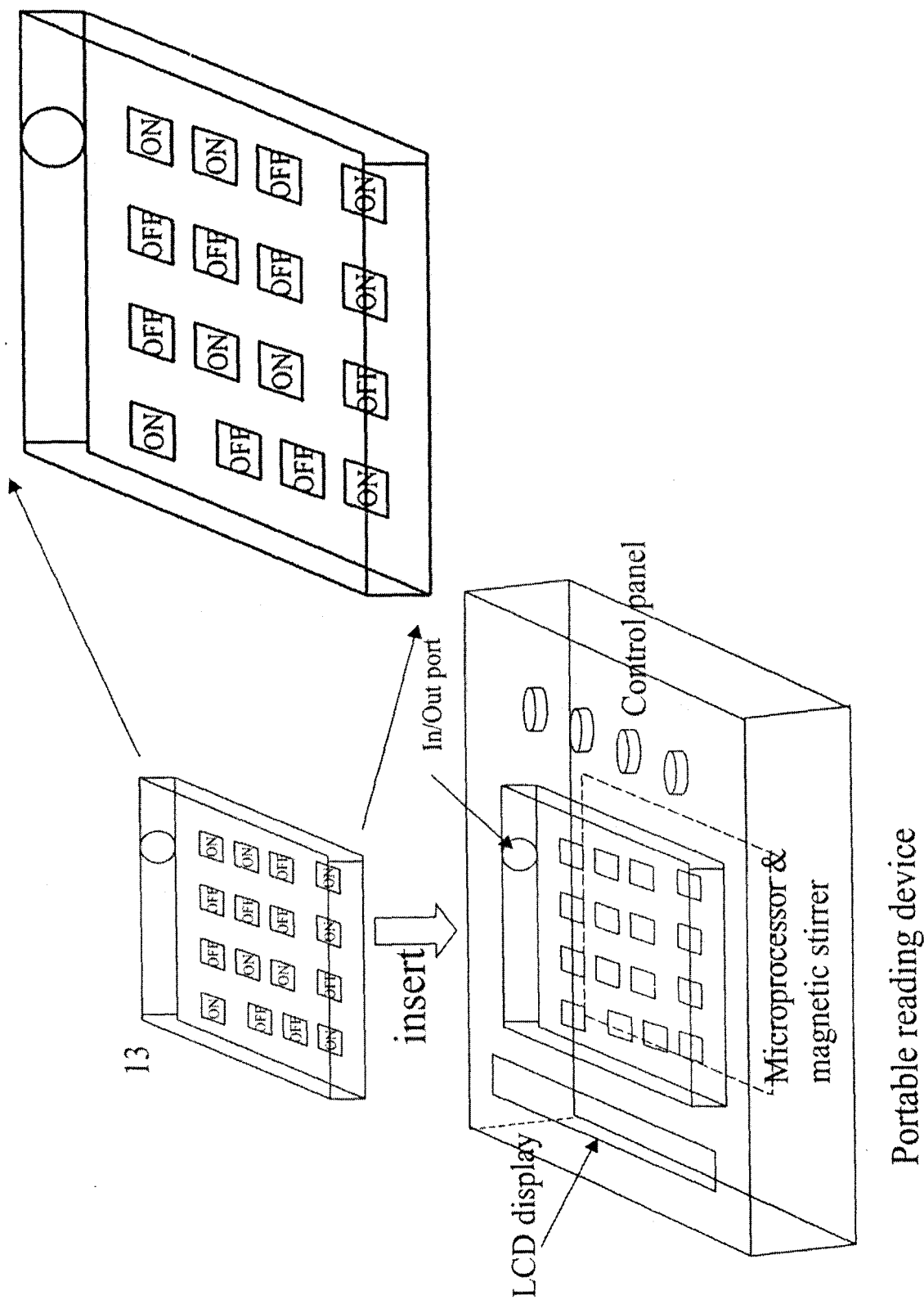


Fig. 8



18 5' GGTGGCGGCTGTGCTGCTG 3'

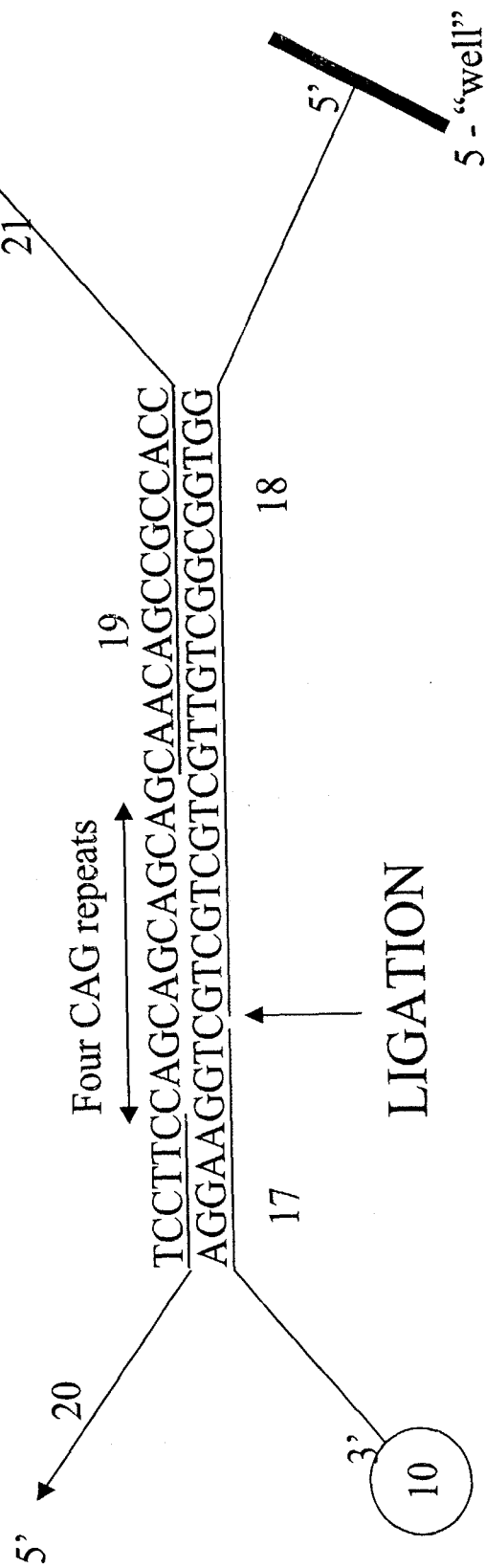


Fig. 9

22 5' GGTGGCGGCTGTGCTGCTG 3'

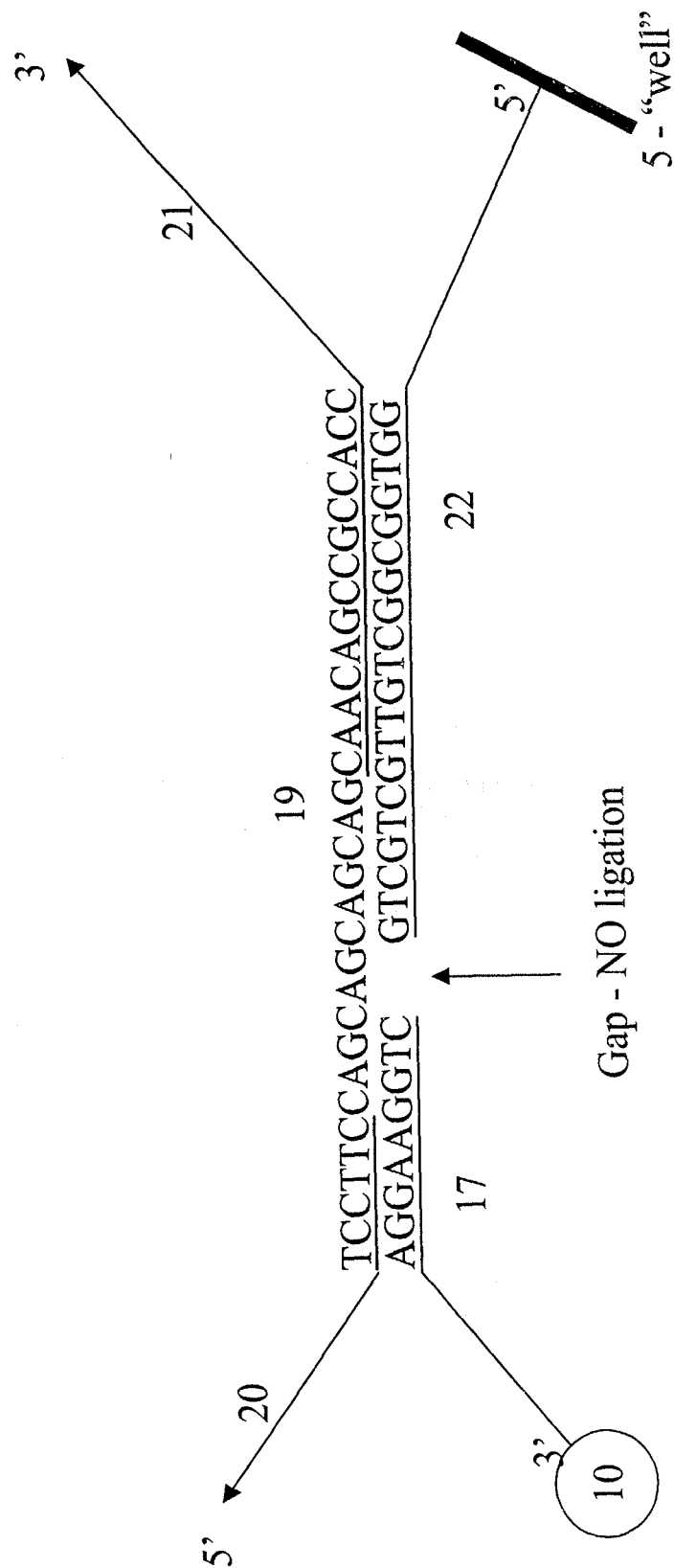


Fig. 10

23 5' GGTGGGGCTGTTGCTGCTGCTGCTGCTG 3'

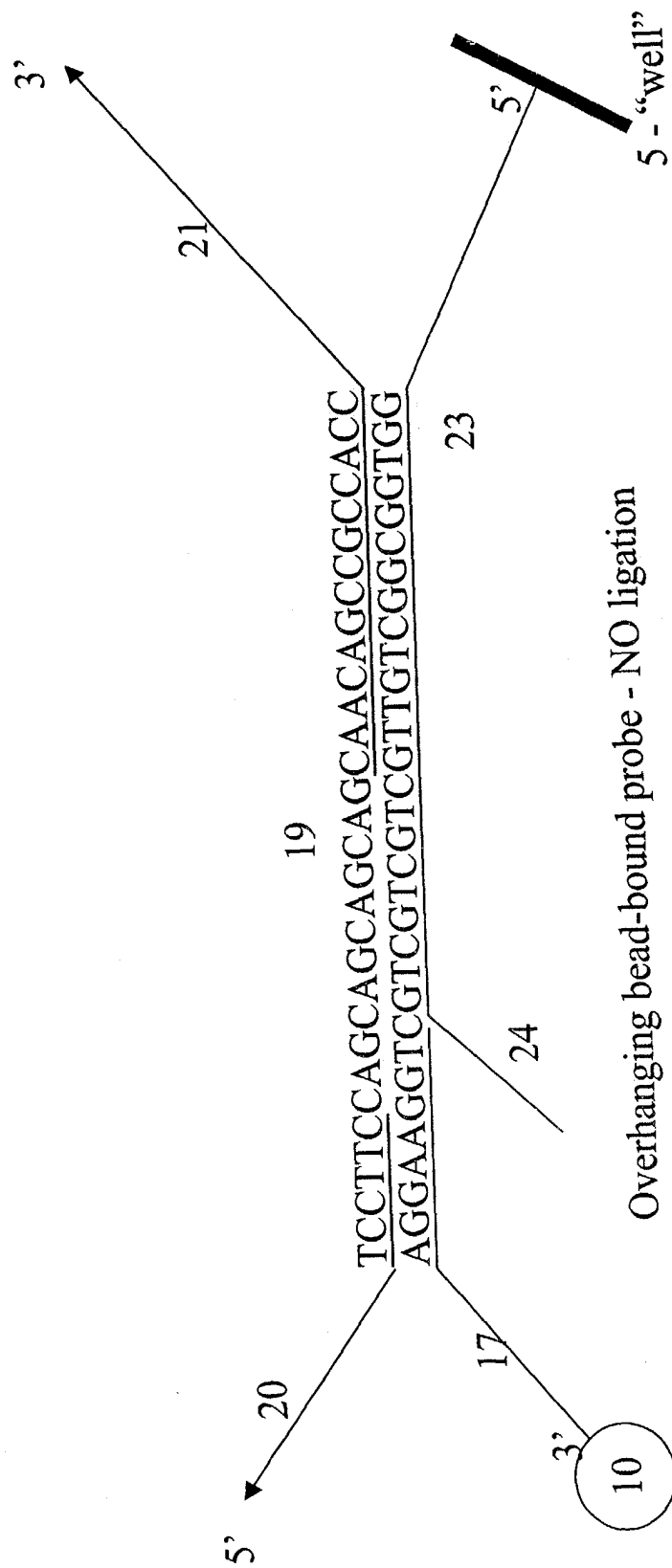


Fig. 11